

# **The Activation of OB2 Segmented HWO/SPS WWA Products**

**(Version date 10/31/03)**

Directive 10-517 from Office of Services (OS) will become effective on **December 2**. This directive states that the HWO and SPS products created by a site must be segmented. If appropriate to your site, the Sections that follow describe what sites can do to be ready for this change.

If sites use WWA to create their HWO/SPS products, then the outlined procedures in Section 1 can be used.

For sites that use Console Replacement System (CRS) AWIPS Formatters Extended (CAFE) to send SPS/HWO products to CRS, then Section 2 can be done.

It should be noted that Sections 1, and 2 have two parts:

- A. Actions that the site needs to do before December 2 and
- B. Actions that the site needs to do on December 2 to finish the activation.

We suggest that you read the entire document ahead of time and perform what you need to before December 2.

# **1. The OB2 HWO and SPS WWA templates must become active on December 2.**

The following should be done by sites that use WWA to create HWO and SPS products.

Technical Support: If you have any questions on the following, contact Iris Boon at (301) 713-1613 x162

## **A. Things to do before December 2:**

1. Obtain the latest version of the present document called **The Activation of OB2 Segmented HWO/SPS WWA Products** from the following web page:

[http://www.ops1.nws.noaa.gov/awips\\_install.htm](http://www.ops1.nws.noaa.gov/awips_install.htm)

2. Sites that use these template must take the OB2 HWO and SPS templates and customize them if they haven't already done so. Among the HWO/SPS products are the following "Specific Product Names:"

- a Winter Storm Outlook (WWA\_ww\_outlk.wwaProd),
- b Excessive Heat Outlook (WWA\_heat\_outlook.wwaProd),
- c Frost/Freeze Outlook (WWA\_frostfrz\_outlk.wwaProd),
- d Hazardous Weather Outlook (WWA\_hazard\_outlk.wwaProd),
- e High Wind Outlook (WWA\_hiwind\_outlk.wwaProd),
- f Non Hazardous Weather Outlook (WWA\_nonhazard\_outlk.wwaProd),
- g Special Weather Statement (WWA\_specialstmt.wwaProd),
- h Wind Chill Outlook (WWA\_wndchil\_outlk.wwaProd),
- i Severe Weather Outlook (WWA\_severe\_outlook.wwaProd)

Note that as part of a pre-install step for OB2 (see attachment "e" of the **OB2 Installation Procedures**) some sites downloaded and customized these templates and placed them on ds1 under the /data/local/ob2WWA directory.

3. After you have customized the templates, as best you can, check/test these templates to ensure they work as expected. Do not activate them before December 2.

## **B. Things to do On December 2:**

1. Place the customized HWO and SPS templates into the data/fxa/customFiles subdirectory.

2. Re-define the WWA configuration to produce segmented products for HWO/SPS. The procedure below was created from information obtained from Section 2.1 of the **WWA OB2 Users Manual**:

([http://www.nws.noaa.gov/mdl/wwa/new\\_OB2.htm](http://www.nws.noaa.gov/mdl/wwa/new_OB2.htm)).

The following needs to be done for each of the “specific product names” listed in “e” below, if appropriate to your site.

- a. Open an xterm window on either lx1 or lx2.
- b. As the root user, type the following:

**su - ifps**

- c. Launch the WWA Admin application:

**WWAAdmin.sh**

- d. Select the *Hazard Menu Panel* by either selecting the *hazard* icon on the button bar or by selecting *edit*, then *Hazard Menu* on the menu bar.
- e. Double click on the appropriate HWO/SPS hazard box. These can include any of the following “Specific Product Names:”
  1. Winter Storm Outlook (WWA\_ww\_outlk.wwaProd),
  2. Excessive Heat Outlook (WWA\_heat\_outlook.wwaProd),
  3. Frost/Freeze Outlook (WWA\_frostfrz\_outlk.wwaProd),
  4. Hazardous Weather Outlook (WWA\_hazard\_outlk.wwaProd),
  5. High Wind Outlook (WWA\_hiwind\_outlk.wwaProd),
  6. Non Hazardous Weather Outlook (WWA\_nonhazard\_outlk.wwaProd),
  7. Special Weather Statement (WWA\_specialstmt.wwaProd),
  8. Wind Chill Outlook (WWA\_wndchil\_outlk.wwaProd),
  9. Severe Weather Outlook (WWA\_severe\_outlook.wwaProd)
- f. In the hazard configuration interface select the *Miscellaneous Format* tab and set the following fields:

Segmented Checkbox:	P l a c e a c h e c k h e r e f o r s e g m e n t e d .
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Select the box next to segmented to make sure the product type is segmented.

- g. Save and exit the hazard configuration interface:

Select OK button bottom left on interface

- h. Repeat steps “e” through “g” for each hazard listed in “e,” as needed.

- i. Exit WWA Admin application:

Select the Exit button from the bottom center of interface.

- h. The activation of the SPS/HWO templates and the changes made above will not take hold until the appropriate localization is run. The needed localization was placed in step 3, below.

- 3. Run a WWA localization on the appropriate LX using the information in Note A.

NOTE A: For sites that still have HP workstations, you will need to run the WWA localization on LX1 and LX2, only. For the sites that replaced the HP WSs with the new linux workstations, the localization will need to be run on all LX workstations.

- a. From LX1, as the root user type the following:

su - fx

- b. Run wwa localization by typing:

cd  
/awips/fxa/data/local  
iz ation/script s  
./mainScript.csh f -  
wwa

- c. Repeat steps “a” and “b” for the appropriate workstations, using Note A above as a guide.
  - d. When you have completed running the localizations for all of the appropriate LXs, use the appropriate number of “exit” commands.
- 4. As appropriate, run WWA and create SPS/HWO products that you just activated in step 3. Ensure they are segmented.

## 2. Sites that use CAFE to send SPS/HWO products to CRS need to obtain the new CAFE formatters

The CAFE formatters used before December 2003 handled SPS/HWO products as if they were non-segmented products. Because SPS/HWO products will be segmented starting December 2, updated CAFE formatters are needed for those sites that use CAFE to send these products to CRS. Such a site will need to obtain updated CAFE formatters, make customized changes, and test them before December 2... then activate them on December 2.

Technical Support: If you have any questions on the following, contact the CRS Help Desk Contact at: 301-713-0191 or  
Go to the following CRS Help Desk web page:  
<http://weather.gov/ops2/crs/crshelp.html>

### A. Things to do before December 2, if applicable:

Review the information on the following web pages and do any instructions that can be safely done ahead of time. This includes obtaining the new formatters, customize them as appropriate to your site, and testing them to ensure they work.

1. Obtain the latest version of the present document called **The Activation of OB2 Segmented HWO/SPS WWA Products** from the following web page:

[http://www.ops1.nws.noaa.gov/awips\\_install.htm](http://www.ops1.nws.noaa.gov/awips_install.htm)

2. Information on which CAFE version to use to support the new format can be obtained by going through the following web page:

<http://weather.gov/ops2/crs/crs.htm>

3. From the web page above, you will want to go to the link to the CAFE formatter. It sends you to the following web page:

<http://weather.gov/ops2/crs/crscafe.html>

4. From the CAFE formatter web page:

- a. Changes to the CAFE formatter scripts are documented in the CAFE "What's New" page. **You need to review this page.** At the appropriate time, the "What's New" link will be updated to include the new versions of the SPS.tar and HWO.tar.

Note that this page will be updated frequently and should be checked often. Sites are encouraged to download and install the newest versions of the CAFE formatter scripts at the appropriate time. The “What’s New page” web page is found at:

<http://weather.gov/ops2/crs/document/cafe.txt>

- b. Read the “CAFE How-To” document for general installation, configuration, testing, and operations help. This page is found at:

<http://weather.gov/ops2/crs/document/CAFE-HowTo.txt>

**B. Things to do on December 2:**

1. On December 2, activate the new CAFE formatters using the information from the above web pages.